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2100 Pennsylvania Avenue, N.W.
Washington, DC 20037

EXAMINER

SWEARINGEN, JEFFREY R

ART UNIT	PAPER NUMBER
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2145

DATE MAILED: 03/07/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/918,509

Applicant(s)

HAYASHI, KAZUHIKO

Examiner

Jeffrey R. Swearingen

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 14 January 2005.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-27 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-22 is/are rejected.
- 7) ☒ Claim(s) 5,6 and 21-27 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 01 August 2001 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 5/5/2004.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION***Election/Restrictions***

1. The Examiner has re-examined the claims and the restriction requirement previously issued. Upon further consideration of said claims and said issued restriction requirement, the Examiner has determined said restriction requirement to be improper with all due apologies to Applicant for their time and efforts concerning said restriction requirement.
2. Claims 1-27 are directed to an allowable product. Pursuant to the procedures set forth in the Official Gazette notice dated March 26, 1996 (1184 O.G. 86), claims 23-27, directed to the process of making or using the patentable product, previously withdrawn from consideration as a result of a restriction requirement, are now subject to being rejoined. Claims 1-27 are hereby rejoined and fully examined for patentability under 37 CFR 1.104.

Since all claims previously withdrawn from consideration under 37 CFR 1.142 have been rejoined, the restriction requirement made in the Office action mailed on 12/16/2004 is hereby withdrawn.

Drawings

1. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they do not include the following reference sign(s) mentioned in the description: Fig. 7, item S60; Fig. 8, item S6; Fig. 9, item 5; Fig. 10, item 5. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they include the following reference character(s) not mentioned in the description: Fig. 2, item S6; Fig. 4, items S2, S3, S4, S6, S7, S8, S30; Fig. 5, items 1, S2, S3, S4, S5, S6, S7, S8, S30; Fig. 6, items S2, S3, S4, S5, S6, S7, S30; Fig. 7, items S2, S3, S4, S5, S6, S7, S30, 3; Fig. 8, item S30; Fig. 9, items S1, S2, 3. The drawings are objected to because items in Fig. 10 have no reference numbers. Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR

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1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Specification

2. The disclosure is objected to because of the following informalities: The specification has numerous references to the claims incorporated within.

3. The specification is a written description of the invention and of the manner and process of making and using the same. The specification must be in such full, clear, concise, and exact terms as to enable any person skilled in the art or science to which the invention pertains to make and use the same. See 35 U.S.C. 112 and 37 CFR 1.71. If a newly filed application obviously fails to disclose an invention with the clarity required by 35 U.S.C. 112, revision of the application should be required. See MPEP § 702.01. The specification must commence on a separate sheet. Each sheet including part of the specification may not include other parts of the application or other information. The claim(s), abstract and sequence listing (if any) should not be included on a sheet including any other part of the application (37 CFR 1.71(f)). That is, the claim(s), abstract and sequence listings (if any) should each begin on a new page since each of these sections (specification, abstract, claims, sequence listings) of the disclosure are separately indexed in the Image File Wrapper (IFW). There should be no overlap on a single page of more than one section of the disclosure. See MPEP § 608.01.

Appropriate correction is required.

Claim Objections

4. Claims 5, 6, 21 and 22 are objected to because of the following informalities: Claims 5, 6, 21 and 22 have obvious typographical errors which cause the intended word "from" to be replaced by the intended word "form". Appropriate correction is required.

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5. Claims 23-27 objected to under 37 CFR 1.75(c) as being in improper form because a multiple dependent claim should refer to other claims in the alternative only. See MPEP § 608.01(n).

Accordingly, the claims have not been further treated on the merits.

Claim Rejections - 35 USC § 112

6. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

7. Claims 1-27 rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the enablement requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to enable one skilled in the art to which it pertains, or with which it is most nearly connected, to make and/or use the invention.

8. An information delivery device is referred to throughout the claims and is specifically mentioned in claims 1-10, 17-23. For example, see claim 1, lines 2, 4, 6, 14, 16-22, 25. The specification describes the information delivery device in the prior art as something that transmits information through a communicating means to an information storage and playback device. See page 1, lines 15-16.

Applicant does disclose possible use of a computer or cell phone in the prior art, but fails to disclose that a computer or cell phone could function as an information delivery device or how a computer or cell phone could function as an information delivery device. No inference or obvious connection can be made

by Examiner to show that a cell phone or computer could be used as an information delivery device, but Examiner recognizes that a computer or cell phone can be embodiments of an information storage and playback device. See page 1, lines 17-19. Applicant defines the information delivery device within the invention as a device that delivers information. See page 3, lines 6-10 and 21-27. Applicant does not describe what type of information the information delivery device is able to transmit, nor does Applicant describe what would embody an information delivery device in order to incorporate such a device into the invention. It would cause undue experimentation upon one of ordinary skill in the art to recreate the

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invention because an information delivery device is a major component of the invention and additionally because there is not a sufficient description of an information delivery device in the specification or claims for one of ordinary skill in the art to ascertain what an information delivery device is or how to construct said information delivery device in order to incorporate such a device into the invention.

Claim Rejections - 35 USC § 101

9. 35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

10. Claims 11-12 rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter. Claims 11 and 12 deal with an electric wave and an electric wave going through a satellite. An electric wave is not a tangible medium.

Claim Rejections - 35 USC § 102

11. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

12. Claims 1, 2, 5-6, 13-14, 17-18 rejected under 35 U.S.C. 102(a) as being anticipated by Korean Registered Patent No. 10-231402.

13. Regarding claim 1, KR 10-231402 discloses *an information delivery system, comprising an information delivery device which delivers information, an information storage and playback device which*

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stores information transmitted from the information delivery device and reproduces the information if necessary, and an information communicating means which is connected to the information delivery device and the information storage and playback device, wherein: the information storage and playback device includes means of storing each of a plurality of partial information of a plurality of delivery information beforehand [store a sample of data], choosing one of the partial information from the plurality of the stored partial information and reproducing the chosen partial information [select a sample of data and save it], and giving notice of information that the one of the partial information has been chosen from the plurality of the delivery information to the information delivery device just as reproduction of the chosen partial information starts [inform the server that you want to download the rest of the data]; the information delivery device includes a means of transmitting remaining information of the partial information, which has been chosen to be reproduced and has been notified by the information storage and playback device, to the information storage and playback device just as reproduction of the partial information of the plurality of the delivery information finishes at the information storage and playback device [a server that lets a device download data]; and the information storage and playback device includes a means of reproducing the remaining information of the partial information transmitted from the information delivery device [the device saves the downloaded data]. Applicant has admitted that claimed device is easily achievable by design modification by one of ordinary skill in the art based on the aforementioned cited invention. Applicant has made reference to the distinguishing characteristics of the device in the Information Disclosure Statement dated 5 May 2004. By this rationale **claim 1** is rejected.

14. Regarding **claim 2**, the limitations of this claim are substantially the same as the limitations of claim 1. Claim 2 also allows for storage of the partial information within the information storage and playback device [caching the partial information]. Applicant has admitted that claimed device is easily achievable by design modification by one of ordinary skill in the art based on the aforementioned cited invention. Applicant has made reference to the distinguishing characteristics of the device in the Information Disclosure Statement dated 5 May 2004. By this rationale **claim 2** is rejected.

15. Regarding **claim 6**, KR 10-231402 has been applied as in claim 2. KR 10-231402 further discloses *the partial information of the delivery information, which is transmitted from the information*

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*delivery device to the information storage and playback device through the information communicating means and is received and stored in the information storage and playback device, is renewed if necessary; and a means for storing the partial information of the delivery information in the information storage and playback device beforehand is installed by: connecting a storage medium, in which the partial information of the delivery information is set up by the information delivery device beforehand, to the information storage and playback device, or transmitting the partial information of the delivery information which is set up by the information delivery device beforehand from the information delivery device to the information storage and playback device through the information communicating means, and storing the transmitted partial information of the delivery information in a storage medium by the information storage and playback device; transmitting partial information of delivery information, which belongs to an information group chosen to be delivered by the information storage and playback device beforehand, from the information delivery device to the information storage and playback device through the information communicating means, and storing the transmitted partial information of the delivery information which belongs to the information group in a storage medium by the information storage and playback device; transmitting partial information of delivery information, which belongs to one of information groups prioritized and sorted out according to a past record of a user of the information storage and playback device, in a storage medium by the information storage and playback device; or transmitting partial information of delivery information, which belongs to one of information groups prioritized and sorted out according to past records of a plurality of users of the information storage and playback device through the information communicating means, and storing the transmitted partial information of the delivery information, which belongs to one of the information groups prioritized and sorted out according to the past records of the plurality of the users of the information storage and playback devices, in a storage medium by the information storage and playback device [storing a sample of data that is selected by the playback device]. Applicant has admitted that claimed device is easily achievable by design modification by one of ordinary skill in the art based on the aforementioned cited invention. Applicant has made reference to the distinguishing characteristics of the device in the Information Disclosure Statement dated 5 May 2004. By this rationale **claim 6** is rejected.*

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16. Regarding **claim 5**, Applicant has admitted that KR 10-231402 covers all limitations of claims 1 and 2, and covers all limitations of claim 6. The additional limitations of claim 5 upon claim 1 are the same as the additional limitations of claim 6 upon claim 2. Therefore if claim 1 is rejected based upon Applicant admission and the additional limitations of claim 6 are rejected based upon Applicant admission, the limitations of claim 5 are also rejected based on Applicant admission. By this rationale **claim 5** is rejected.

17. Regarding **claims 13-14**, KR 10-231402 is applied as in claims 1 and 2. Applicant admits that KR 10-231402 discloses moving picture information. By this rationale **claims 13-14** are rejected.

18.

19. Regarding **claim 17**, the limitations of this claim are substantially the same as the limitations in claim 1. Therefore the rationale used in rejecting claim 1 is applied in rejecting claim 17. By this rationale **claim 17** is rejected.

20. Regarding **claim 18**, the limitations of this claim are substantially the same as the limitations in claim 2. Therefore the rationale used in rejecting claim 2 is applied in rejecting claim 18. By this rationale **claim 18** is rejected.

21. **Claims 1, 2, 6, 17-18** rejected under 35 U.S.C. 102(e) as being anticipated by Ueda (U.S. Patent No. 5,973,680).

22. Regarding **claim 1**, Ueda discloses *an information delivery system, comprising an information delivery device which delivers information, an information storage and playback device which stores information transmitted from the information delivery device and reproduces the information if necessary, and an information communicating means which is connected to the information delivery device and the information storage and playback device, wherein: the information storage and playback device includes means of storing each of a plurality of partial information of a plurality of delivery information beforehand [store a sample of data], choosing one of the partial information from the plurality of the stored partial information and reproducing the chosen partial information [select a sample of data and save it], and giving notice of information that the one of the partial information has been chosen from the plurality of the delivery information to the information delivery device just as reproduction of the chosen partial*

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information starts [inform the server that you want to download the rest of the data]; the information delivery device includes a means of transmitting remaining information of the partial information, which has been chosen to be reproduced and has been notified by the information storage and playback device, to the information storage and playback device just as reproduction of the partial information of the plurality of the delivery information finishes at the information storage and playback device [a server that lets a device download data]; and the information storage and playback device includes a means of reproducing the remaining information of the partial information transmitted from the information delivery device [the device saves the downloaded data]. Applicant has admitted that claimed device is easily achievable by design modification by one of ordinary skill in the art based on the aforementioned cited invention. Applicant has made reference to the distinguishing characteristics of the device in the Information Disclosure Statement dated 5 May 2004. Ueda is an English language equivalent of KR 10-231402 as cited in the Information Disclosure Statement. By this rationale **claim 1** is rejected.

23. Regarding **claim 2**, the limitations of this claim are substantially the same as the limitations of claim 1. Claim 2 also allows for storage of the partial information within the information storage and playback device [caching the partial information]. Applicant has admitted that claimed device is easily achievable by design modification by one of ordinary skill in the art based on the aforementioned cited invention. Applicant has made reference to the distinguishing characteristics of the device in the Information Disclosure Statement dated 5 May 2004. By this rationale **claim 2** is rejected.

24. Regarding **claims 3-4**, Ueda has been applied as in claims 1-2. Ueda further discloses *connecting a storage medium, in which the partial information of the delivery information is set up by the information delivery device beforehand, to the information storage and playback device, or transmitting the partial information of the delivery information which is set up by the information delivery device beforehand from the information delivery device to the information storage and playback device through the information communicating means and storing the transmitted partial information of the delivery information in a storage medium by the information storage and playback device; transmitting partial information of delivery information, which belongs to an information group chosen to be delivered by the information storage and playback device beforehand, from the information delivery device to the*

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information storage and playback device through the information communicating means, and storing the transmitted partial information of the delivery information which belongs to the information group in a storage medium by the information storage and playback device; transmitting partial information of delivery information, which belongs to one of information groups prioritized and sorted out according to a past record of a user of the information storage and playback device, from the information delivery device to the information storage and playback device through the information communicating means, and storing the transmitted partial information of the delivery information, which belongs to one of the information groups prioritized and sorted out according to the past record of the user of the information storage and playback device, in a storage medium by the information storage and playback device; or transmitting partial information of delivery information, which belongs to one of information groups prioritized and sorted out according to past records of a plurality of users of the information storage and playback devices, from the information delivery device to the information storage and playback device through the information communicating means, and storing the transmitted partial information of the delivery information, which belongs to one of the information groups prioritized and sorted out according to the past records of the plurality of the users of the information storage and playback devices, in a storage medium by the information storage and playback device. [Terminal memory is a storage medium.

Ueda, Abstract, column 4, lines 31-41] By this rationale **claims 3-4** are rejected.

25. Regarding **claim 6**, Ueda has been applied as in claim 2. Ueda further discloses *the partial information of the delivery information, which is transmitted from the information delivery device to the information storage and playback device through the information communicating means and is received and stored in the information storage and playback device, is renewed if necessary; and a means for storing the partial information of the delivery information in the information storage and playback device beforehand is installed by: connecting a storage medium, in which the partial information of the delivery information is set up by the information delivery device beforehand, to the information storage and playback device, or transmitting the partial information of the delivery information which is set up by the information delivery device beforehand from the information delivery device to the information storage and playback device through the information communicating means, and storing the transmitted partial*

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information of the delivery information in a storage medium by the information storage and playback device; transmitting partial information of delivery information, which belongs to an information group chosen to be delivered by the information storage and playback device beforehand, from the information delivery device to the information storage and playback device through the information communicating means, and storing the transmitted partial information of the delivery information which belongs to the information group in a storage medium by the information storage and playback device; transmitting partial information of delivery information, which belongs to one of information groups prioritized and sorted out according to a past record of a user of the information storage and playback device, in a storage medium by the information storage and playback device; or transmitting partial information of delivery information, which belongs to one of information groups prioritized and sorted out according to past records of a plurality of users of the information storage and playback device through the information communicating means, and storing the transmitted partial information of the delivery information, which belongs to one of the information groups prioritized and sorted out according to the past records of the plurality of the users of the information storage and playback devices, in a storage medium by the information storage and playback device [storing a sample of data that is selected by the playback device]. Applicant has admitted that claimed device is easily achievable by design modification by one of ordinary skill in the art based on the aforementioned cited invention. Applicant has made reference to the distinguishing characteristics of the device in the Information Disclosure Statement dated 5 May 2004. By this rationale **claim 6** is rejected.

26. Regarding **claim 5**, Applicant has admitted that KR 10-231402 [Ueda is English language equivalent] covers all limitations of claims 1 and 2, and covers all limitations of claim 6. The additional limitations of claim 5 upon claim 1 are the same as the additional limitations of claim 6 upon claim 2. Therefore if claim 1 is rejected based upon Applicant admission and the additional limitations of claim 6 are rejected based upon Applicant admission, the limitations of claim 5 are also rejected based on Applicant admission. By this rationale **claim 5** is rejected.

27. Regarding **claims 11-12**, Ueda is applied as in claims 1-2. Ueda further discloses *the information communicating means includes at least one selected from a communicating means by electric wave, a*

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communicating means by electric wave going through a satellite, a communicating means by a public phone line, and a communicating means by the Internet. [Ueda discloses a communications line between the terminal and the server. Ueda, column 6, lines 30-32. This communications line broadly encompasses all communicating means discussed within the claim language.] By this rationale **claims 11-12** are rejected.

28. Regarding **claims 13-14**, Ueda is applied as in claims 1-2. Ueda further discloses use of moving picture information. [Ueda, Abstract] By this rationale **claims 13-14** are rejected.

29. Regarding **claims 15-16**, Ueda is applied as in claims 1-2. Ueda discloses *the delivery information includes image information, moving picture information, or voice information.* [Ueda, Abstract] Ueda further discloses that in the prior art, motion pictures are commonly transmitted using the MPEG compression coding system, which qualifies as *compressed data information.* [Ueda, column 1, lines 14-25] By this rationale **claims 15-16** are rejected.

30. Regarding **claim 17**, the limitations of this claim are substantially the same as the limitations in claim 1. Therefore the rationale used in rejecting claim 1 is applied in rejecting claim 17. By this rationale **claim 17** is rejected.

31. Regarding **claim 18**, the limitations of this claim are substantially the same as the limitations in claim 2. Therefore the rationale used in rejecting claim 2 is applied in rejecting claim 18. By this rationale **claim 18** is rejected.

32. Regarding **claims 19-20**, Ueda is applied as in claims 17 and 18. The limitations of claims 19-20 are substantially the same as the limitations in claims 3-4, therefore the rejection applied to claims 3-4 is equally applicable to claims 19-20. By this rationale **claims 19-20** are rejected.

33. Regarding **claims 21-22**, Ueda is applied as in claims 17 and 18. The limitations of claims 21-22 are substantially the same as the limitations in claims 5-6, therefore the rejection applied to claims 5-6 is equally applicable to claims 21-22. By this rationale **claims 21-22** are rejected.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 7-10 rejected under 35 U.S.C. 103(a) as being unpatentable over Ueda and Barton et al. (U.S. Patent No. 6,233,389).

5. In regard to claims 7-10, Ueda is applied as in claims 1 and 2. Ueda fails to disclose utilizing a secondary storage means to store the entirety of information transmitted separately from the preview information stored in the primary storage medium [memory]. However, Barton discloses a system to store an entire video broadcast for later viewing. [Barton, Abstract, column 2, lines 22-33, column 3, lines 62-65, column 4, lines 14-23] Barton discloses use of a hard disk or other storage device. [Barton, column 3, lines 62-63] It would be obvious to one of ordinary skill in the networking art to combine the teachings of Barton and Ueda for storing and displaying video programs. The motivation would be to allow the user to watch a stored program without interruption in case there was a disruption in communication between the server and the client. By this rationale claims 7-10 are rejected.

Conclusion

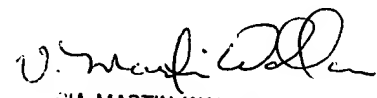
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jeffrey R. Swearingen whose telephone number is (571) 272-3921. The examiner can normally be reached on M-F 8:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Valencia Martin-Wallace can be reached on 571-272-6159. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

JM


LUCIA MARTIN-WALLACE
SENIOR PATENT EXAMINER
TECHNOLOGY CENTER 3700